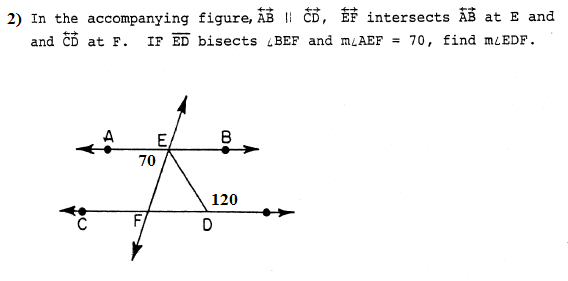
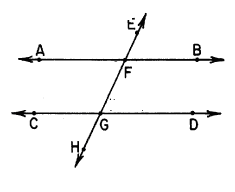
HW 10: Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parallel Lines (3) Period: \_\_\_\_\_\_\_\_\_\_

1) AB is parallel to CD and EH is a transversal intersecting AB at F and CD at G. If m<AFG = 4x + 50 and

m<FGD = 9x - 65, find m<FGD.



3) Which set of numbers can represent the lengths of the sides of a triangle?

(1) 4, 7, 15 (2) 7, 9, 21

(3) 6, 7, 11 (4) 4, 4, 10

4) AB is parallel to CD and EH is a transversal intersecting AB at F and CD at G. If m<AFG = 2x - 5 and

m<AFE = 3x + 15, find m<AFG.

